STIC Search Report
EIC 2100

STIC Database Tracking Number: 1586[illegible]

TO:	From:
Cam-Linh T Nguyen Location: rnd 3c21 Art Unit : 2161 Friday, July 08, 2005 Case Serial Number: 10/007619	Geoffrey St. Leger Location: EIC 2100 Randolph-4B31 Phone: 23450 geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Nguyen,

Attached please find the results of your search request for application 10/007619. I searched Dialog's patent files, technical databases and general files; along with the Internet, IEEE, ACM and IBM's TDBs.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B31/x23540

F+F

Access DB# 158583

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Nguyen, Cam Linh Examiner #: 78921 Date: 7/8/05
Art Unit: 2161 Phone Number ~~30~~ 2-4024 Serial Number: 10/007,019
Mail Box and Bldg/Room Location: RND 3C21 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Method for extracting data from RDB using a reduced query

Inventors (please provide full names): Kumar, Arun

Smarija, Eric

Earliest Priority Filing Date: 11/7/01

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

- Alias table
- Reduce or avoid or eliminate / Join

****

STAFF USE ONLY	Type of Search		Vendors and cost where applicable	
Searcher: Geoffrey St. Leger	NA Sequence (#)		STN	
Searcher Phone #: 23510	AA Sequence (#)		Dialog	✓
Searcher Location: 4B31	Structure (#)		Questel/Orbit	
Date Searcher Picked Up: 7/8/5	Bibliographic	✓	Dr.Link	
Date Completed: 7/8/5	Litigation		Lexis/Nexis	
Searcher Prep & Review Time: 30	Fulltext	✓	Sequence Systems	
Clerical Prep Time:	Patent Family		WWW/Internet	✓
Online Time: 150	Other		Other (specify)	IEEE, ACM, TDBs

PTO-1590 (8-01)

```
File 348:EUROPEAN PATENTS 1978-2005/Jun W04
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050707,UT=20050630
         (c) 2005 WIPO/Univentio

Set     Items   Description
S1        380   ALIAS??(3N)(TABLE? ? OR FIELD? ?)
S2       9559   (JOIN OR JOINS OR JOINING)(7N)(REDUC???? OR AVOID??? OR EL-
             IMINAT???? OR DELET??? OR ERAS??? OR REMOV??? OR DECREAS??? OR
              LOWER??? OR MINIMIZ? OR MINIMIS? OR LESSEN???? OR CUT????()D-
             OWN OR DROP???? OR DISCARD???)
S3        877   (JOIN OR JOINS OR JOINING)(7N)(("NOT" OR T OR NO OR WITHOU-
             T)(3W)(NEED??? OR REQUIR?))
S4     162630   DATABASE? ? OR DATA()(BASE? ? OR WAREHOUSE? ?) OR RDBMS OR
             DBMS OR REPOSITOR???
S5          0   S1(100N)S2:S3(100N)S4
S6          7   ALIAS???(100N)S2:S3(100N)S4
S7         11   S1(100N)(JOIN OR JOINS OR JOINING)(100N)S4
S8         18   S6:S7
S9          0   S1(100N)S2:S3
S10        18   S8
S11        18   IDPAT (sorted in duplicate/non-duplicate order)
```

11/3,K/5 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00324639 **Image available**
X.500 SYSTEM AND METHODS
SYSTEME ET METHODES EN X.500
Patent Applicant/Assignee:
DATACRAFT TECHNOLOGIES PTY LTD,
HARVEY Richard Hans,
Inventor(s):
HARVEY Richard Hans,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9607147 A1 19960307
Application: WO 95AU560 19950830 (PCT/WO AU9500560)
Priority Application: AU 947842 19940901; AU 949586 19941121
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 18573
Fulltext Availability:
Detailed Description

Detailed Description
... a number of smaller
and more efficient tables as shown below

DIT
I EID I PARENT I **ALIAS** I RDN I
NAME
I EID I RAW
TREE
EID PATH
ALIAS
EID A -EID
SEARCH
EID I AID I VID I DISTING I NORM
ENTRY
I EID AIDOBJECTID
Table 4b - Logical Design
4.1 Service Decomposition
The practical reality for most **RDBMS** 's is that big tables with many columns do not perform as well as smaller tables with...following considerations are made:
(1) Columns that have strong relationships are preferred to be kept together (to **avoid** unnecessary **joins**);
(2) If the number of significant rows in a given column is independent of the other related...column usage is shown in Table 4.1

X.500 Table EID AID VID Value Value Parent **Alias** Name
Name Path
Service Norm Raw Norm Raw
Navigate H R S R S
R Read O...

11/3,K/7 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00307851
DATABASE QUERY SYSTEM
SYSTEME D'INTERROGATION DE BASES DE DONNEES
Patent Applicant/Assignee:
SOFTWARE AG,
SHWARTZ Steven P,
Inventor(s):
SHWARTZ Steven P,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9526003 A1 19950928
Application: WO 95IB517 19950323 (PCT/WO IB9500517)
Priority Application: US 94217099 19940324
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 23878
Fulltext Availability:
Detailed Description

Detailed Description
... in the intermediate language which call for percentage calculations or otherwise require two separate passes of the **database** (i.e. comparisons). The types of queries that Query Assistant 10 can produce that require a CREATE...

...SQL statement elements including: SELECT columns, WHERE clauses, ORDER BY columns, GROUP columns, Having clause flag, FROM **table / alias** pairs, **JOINs** . In this step, the SELECT, and ORDER BY sections
3o are populated, but WHERE clauses are maintained...is why virtual column expressions are defined according to SQL expressions or other expressions understood by the **DBMS** . In this step, the expression of a virtual column will be added to the WHERE clause -- a Lookup command will simply make another **join** condition in the WHERE clause.

In step 428, the FROM clause of the SQL statement is created by assigning **aliases** for each **table** in the SELECT and WHERE clauses, but ignoring subqueries that are defined during the pattern matching of...
...clauses with their respective column order numbers.

In step 432, the navigation path is computed for required **joins** . This is done
using a minimal spanning tree as described above. This is a technique commonly used for finding the shortest **join** path between two tables, but other techniques will work equally well. If additional tables are required then they are added. Also, by default, the shortest **join** path is created. However, if the user designated a different **join** path which was predefined by the administrator and put in the conceptual layer, that path is used...

...they are added in step 436 to the FROM clause. Then, in step 438, the WHERE clause **join** statements are created in the internal SQL structure.

In step 440, SELECT is converted to SELECT DISTINCT...CONSTR1 !VAL1
Pattern 654
/* and count (DISTINCT x) > 500
COUNT (DISTINCT!ATT1)!NUM-CONSTR1 !VAL1 0
FROM **TABLE** lATT1 ! **ALIAS1**
WHERE COUNT (DISTINCT !ALIAS1 . COL!ATT1)!NUM-CONSTR1 !VAL1
Pattern 655

/* and count (x) > 500
COUNT (!ATT1) 1NUM-CONSTR1 !VAL1 0
FROM **TABLE** !ATT1 ! **ALIAS1**
WHERE COUNT (!ALIAS1 . COL!ATT1)!NUM-CONSTR1 !VAL1
Pattern 656
/* show names of customers with ytd sales...

...pattern matcher is recursively called when it encounters nested Where clauses in the case of parentheticals.

C. **Join** Path
Steps 432 - 436 call for the computation of **join** paths,'the addition of any new tables to the FROM clause, and inclusion of the explicit **joins** 'in the WHERE clause. The computation of the **join** paths will produce the shortest **join** path between two tables unless the administrator has defined alternate **join** paths in the conceptual layer for the user to choose from. With a **database** structure as shown in Fig. 6, where the direction of the arrows show primary key -> foreign key...is the common LDT.

Using the above procedure, the following table can be constructed for the 3o **database** of Fig. 6.
66
Primary table Foreign table Next Table Number of
Joins
SALESPEOPLE CUSTOMERS 1
SALESPEOPLE...

...io conceptual layer, the SQL generator will use the shorter path.

As another example, to find the **join** path from ORDERS to PRODUCTS, the navigable paths are first computed in the same way. This yields...

...Following the table from ORDERS
1 5 to LINE ITEMS and then back up to PRODUCTS, the **join** path [ORDERS LINE -ITEMS PRODUCTS] is computed. This technique is one of several well know in the art and calculation of the **join** path is not limited to this technique in the present invention.

In the last example above, the LINE-ITEMS table is introduced in creating the **join** path. Step 436 adds any new tables introduced in the process of
calculating the **join** path to the FROM clause in the internal SQL structure. Also included is an **alias** for the new **table** .
SQL requires the **joins** to be explicitly provided in the WHERE clause, and step 436 implements this. The primary and foreign...

...user. Using the information, the following statement can be included in the WHERE clause to express the **join** of the above ex-ample if the alias for ORDERS,
PRODUCTS and LINE.NUMBERS is T1, TZ...

11/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00764633
Interactive telephone networking service
Interaktiver Fernsprechnetzwerkdienst
Service de reseau telephonique interactif
PATENT ASSIGNEE:
AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412, (US), (applicant designated states: DE;FR;GB)
INVENTOR:

Barber, James S., P.O. Box 310, Oldwick, New Jersey 08858, (US)
Parekh, Kalpesh P., 114 Franklin Street, Apt. 7B1, Morristown, New Jersey 07960, (US)
Kung, Chih Chiang, 7 Stoningham Drive, Somerset, New Jersey 07059, (US)
Yousry, Mona A., 3 Old Farm Lane, Oldwick, New Jersey 08858, (US)
LEGAL REPRESENTATIVE:
Harding, Richard Patrick et al (41295), Marks & Clerk, Nash Court, Oxford Business Park South, Oxford OX4 2RU, (GB)
PATENT (CC, No, Kind, Date): EP 717545 A2 960619 (Basic)
EP 717545 A3 980617
APPLICATION (CC, No, Date): EP 95308699 951201;
PRIORITY (CC, No, Date): US 355382 941213
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04M-003/56; H04Q-003/62; H04M-003/50; H04M-003/42;
ABSTRACT WORD COUNT: 162

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	569
SPEC A	(English)	EPAB96	3810
Total word count - document A			4379
Total word count - document B			0
Total word count - documents A + B			4379

...SPECIFICATION author of a particular message. Processor 32 would then access the author's subscriber record (stored in **database** 30) to determine whether that author is willing to receive inbound calls (as indicated in field 74...

...conference call. Processor 32 could cause voice processing hardware 40 to generate an announcement identifying the subscriber **joining** the call -- even if by using an **alias** . An additional **field** could be provided in record 50 to store a label specified by the subscriber which could be used to identify the subscriber to other conference call participants when the subscriber **joins** a conference call.
One skilled in the art will readily appreciate that the system could be modified...

11/3,K/9 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01250311 **Image available**
SYSTEM TO AUTOMATICALLY REGENERATE SOFTWARE CODE
SYSTEME CONCU POUR REGENERER AUTOMATIQUEMENT UN CODE LOGICIEL
Patent Applicant/Assignee:
EBAY INC, 2145 Hamilton Avenue, San Jose, CA 95125, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SEITZ Greg, 2145 Hamilton Avenue, San Jose, CA 95125, US, US (Residence), US (Nationality), (Designated only for: US)
KASTEN Christopher J, 2145 Hamilton Avenue, San Jose, CA 95125, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
STEFFEY Charles E (et al) (agent), P.O. Box 2938, Minneapolis, MN 55402, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200557365 A2 20050623 (WO 0557365)
Application: WO 2004US41074 20041208 (PCT/WO US04041074)
Priority Application: US 2003528238 20031208; US 2003528237 20031208; US 2003528053 20031208
Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 23362

Fulltext Availability:
Detailed Description

Detailed Description
... data access object skeleton information 208. The data object skeleton information 200 may be generated by the **database** schema utility 103 and has been described above. The code generation attributes 202 may include attributes relating...
...field mappings 206 are shown to include query definitions 214, set definitions 216, table definitions 218, table **joins** 222, and field mappings 224.

19
[000881 Figure I OA illustrates an exemplary query definition 214. Each ...

...exemplary table definition 218. The table definition 218 defines a logical table name 240 and a logical **table** **alias** 242 for the logical table name 240. For example, table definitions 218 for the "User" logical table...

...defined with respective aliases u and UP .

1 5 [00091] Figure 1 OD illustrates an exemplary table **join** 222. The table **join** 222 includes an SQL **join** snippet 244 (e.g., a fragment of an SQL statement) and two logical table names 240. The SQLjoin snippet 244 includes two logical **table** **alias** ' 242 that appear connected by a period (".") to the respective field names 52 (e.g., uJID).

[000921...

11/3,K/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01222238 **Image available**
PERFORMING SEQUENCE ANALYSIS AS A MULTIPART PLAN STORING INTERMEDIATE RESULTS AS A RELATION
ANALYSE SEQUENTIELLE INTERVENANT DANS UN PLAN A PLUSIEURS PARTIES POUR L'ENREGISTREMENT DE RESULTATS INTERMEDIAIRES EN TANT QUE RELATION
Patent Applicant/Assignee:
NETEZZA CORPORATION, 200 Crossing Boulevard, Framingham, MA 01701, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
ZANE Barry M, 4 Cobblestone Circle, Wayland, MA 01778, US, US (Residence), US (Nationality), (Designated only for: US)
DIXIT Sanjay G, 50 Deerfoot Road, Southborough, MA 01772, US, US (Residence), IN (Nationality), (Designated only for: US)
TAMMISETTI Venkannababu, 23 Farmington Drive, Shrewsbury, MA 01545, US,

US (Residence), IN (Nationality), (Designated only for: US)
Legal Representative:
THIBODEAU David J Jr (et al) (agent), Hamilton, Brook, Smith & Reynolds, P.C., 530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200529280 A2 20050331 (WO 0529280)
Application: WO 2004US30700 20040917 (PCT/WO US04030700)
Priority Application: US 2003504443 20030919
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 14736

Fulltext Availability:
Detailed Description

Detailed Description
... the pseudo fields are coming from, whether matchl or inatcU by able to tag them with the **aliases** .

PIM Alternate "Shorthand" Syntax
The shorthand syntax is consistent with how most **database** equi-joins are described.

SELECT <cols>
FROM <haystack> [,<needles> [,<controls>]
WHERE BLASTX(<haystack.seq>,<needies.seq>,<controls...

...is only used in Blast joins), identifies the haystack, needle and controls tables, and produces the associated **join** parse tree. Note that the tables do **not** **need** to be presented in haystack/needle/controls order in the FROM clause - the table identification is handled...

11/3,K/11 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01222145 **Image available**
PERFORMING SEQUENCE ANALYSIS AS A RELATIONAL JOIN
EXECUTION D'UNE ANALYSE DE SEQUENCE SOUS LA FORME D'UNE JOINTURE RELATIONNELLE
Patent Applicant/Assignee:
NETEZZA CORPORATION, 200 Crossing Boulevard, Framingham, MA 01701, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
ZANE Barry M, 4 Cobblestone Circle, Wayland, MA 01778, US, US (Residence), US (Nationality), (Designated only for: US)
DIXIT Sanjay G, 50 Deerfoot Road, Southborough, MA 01772, US, US (Residence), IN (Nationality), (Designated only for: US)
TAMMISETTI Venkannababu, 23 Farmington Drive, Shrewsbury, MA 01545, US, US (Residence), IN (Nationality), (Designated only for: US)
Legal Representative:
THIBODEAU David J Jr (agent), Hamilton, Brook, Smith & Reynolds, P.C.,

530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200528627 A2 20050331 (WO 0528627)
Application: WO 2004US30417 20040917 (PCT/WO US04030417)
Priority Application: US 2003504443 20030919
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 14573

Fulltext Availability:
Detailed Description

Detailed Description
... the pseudo fields are coming from, whether matchl or match2 by able to tag them with the **aliases** .
PIM Alternate "Shorthand" Syntax
The shorthand syntax is consistent with how most **database** equi-joins are described.

SELECT <cols>
FROM <haystack> [,<needles> [,<controls>]
WHERE BLASTX(<haystack.seq>,<needles.seq>,<controls...

...is only used in Blast joins), identifies the haystack, needle and controls tables, and produces the associated **join** parse tree. Note that the tables do **not** **need** to be presented in haystack/needle/controls order in the FROM clause - the table identification is handled...

11/3,K/12 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01128685 **Image available**
METHOD AND COMPUTER PROGRAM PRODUCT FOR ANALYZING USER SESSIONS
STRUCTURE DE DONNEES POUR L'ANALYSE DE SESSIONS UTILISATEUR
Patent Applicant/Assignee:
SAP AKTIENGESELLSCHAFT, Neurottstrasse 16, 69190 Walldorf, DE, DE (Residence), DE (Nationality)
Inventor(s):
TSYGANSKIY Igor, 151 Maggi Ct., Los Gatos, CA 95032, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200451513 A2-A3 20040617 (WO 0451513)
Application: WO 2003IB6401 20031201 (PCT/WO IB03006401)
Priority Application: US 2002307906 20021202
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU
SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE

SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5651

Fulltext Availability:
Detailed Description

Detailed Description
... for example, adding derived information to the field inforination. Processing can alternatively include other operations, including substituting **field** names with **aliases** .

As mentioned above, the system can arrange the field information in a two-dimensional array or matrix...

...facilitate each type of analysis. For example, 1 0 when the data structure is a matrix, any **database** operation can be applied to the matrix.
Database operations can include, by way of example, index, sort, group by, **join** , cluster, and order. When there is more than one user session, a field vector table of one...

11/3,K/13 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01014712 **Image available**
SYSTEM FOR QUERYING A RELATIONAL DATABASE USING SCHEMA-LESS QUERIES
PROCEDES ET APPAREIL PERMETTANT D'INTERROGER UNE MEMOIRE DE DONNEES RELATIONNELLES A L'AIDE D'INTERROGATIONS SANS SCHEMA
Patent Applicant/Assignee:
METATOMIX INC, 275 Wyman Street, Suite 130, Waltham, MA 02451, US, US (Residence), US (Nationality)
Inventor(s):
BRITTON Colin P, 17 Pheasant Lane, Lexington, MA 02421, US,
KUMAR Ashok, 83 Parlmont Park, North Billerica, MA 01862, US,
BIGWOOD David, 324 Concord Avenue, Lexington, MA 02421, US,
DEFUSCO Anthony J, 1140-C Diamond Hill Road, Woonsocket, RI 02895, US,
GREENBLATT Howard, 22 Coolidge Street, Wayland, MA 01778, US,
Legal Representative:
POWSNER David J (et al) (agent), Nutter, McClennen & Fish LLP, World Trade Center West, 155 Seaport Blvd., Boston, MA 02110-2604, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200344634 A2-A3 20030530 (WO 0344634)
Application: WO 2002US37729 20021121 (PCT/WO US0237729)
Priority Application: US 2001332053 20011121; US 2001332219 20011121
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7737

Fulltext Availability:
Detailed Description

Detailed Description
... and ORDER-BY clauses. In other embodiments, the statement manager can generate queries according to a different **database** storage schema and can output queries conforming to 1 5 other languages.
In the illustrated embodiment, a...in triples data store 114C. A from clause agent 636 generates the FROM clause and ensures that **table** instances and their **alias** abbreviations are declared for use in other clauses.

A where clause agent 638 generates the WHERE clause and ensures that all necessary table **JOINS** and filtering constraints are specified. Lastly, an order-by clause agent 640 generates an optional ORDER-BY...

...agent objects distribute SQL generation between custom fragment managers and uses differing agents in accord with the **database** to be searched.

11/3,K/14 (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00959182 **Image available**
METHOD, SYSTEM, AND PROGRAM PRODUCT FOR PERMISSION TO ACCESS SOFTWARE
PROCEDE, SYSTEME ET PRODUIT PROGRAMME CONCUS POUR GERER L'AUTORISATION D'ACCES A DES LOGICIELS
Patent Applicant/Assignee:
INTERNATIONAL BUSINESS MACHINES CORPORATION, New Orchard Road, Armonk, NY 10504, US, US (Residence), US (Nationality), (For all designated states except: MC)
IBM FRANCE, Tour Descartes, 2, Avenue Gambetta, La Defense 5, 92400 Courbevoie, FR, FR (Residence), FR (Nationality), (Designated only for: MC)
Inventor(s):
POOLE Rebecca Lau, 7179 Mountain Hawk Court, San Jose, CA 95120, US,
ENGLAND Laurence Edward, 520 La Canada Court, Morgan Hill, CA 95037, US,
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Legal Representative:
DE PENA Alain (agent), Compagnie IBM France, Direction de la Propriete Intellectuelle, F-06610 La Gaude, FR,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200293288 A2-A3 20021121 (WO 0293288)
Application: WO 2002EP6306 20020507 (PCT/WO EP2002006306)
Priority Application: US 2001855377 20010514
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8733

Fulltext Availability:
Detailed Description

Detailed Description
... including a development tool, 103. The legacy file 101, represented in the FIGURE as an S/390 **DBMS** SQL file 101 has one set of concatenation commands, character string extraction cominands, data type conversions, aliases...date or the next day's date. Still other problems include operations within a GROUP -BY, improper **JOINs** , **table aliases** with and without AS, the use of FROM and FROM following DELETE, the CREATE-TABLE syntax, the...maximum values, ranges, data types, user defined data types).

For example, in the case of savepoints, one **DBMS** 's SQL establishes savepoints by.

SA VEPOINT deletel
...

ROLLBACK delete]
while another **DBMS** 's SQL establishes savepoints by
SAVETRANSACTION delete]
ROLLBACKTRANSACTION deletel
Vastly different code is used to achieve the...

11/3,K/15 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00941547 **Image available**
METHODS AND SYSTEM FOR HANDLING MULITPLE DIMENSIONS IN RELATIONAL DATABASES
PROCEDES ET SYSTEME MULTIDIMENSIONNEL POUR BASES DE DONNEES RELATIONNELLES
Patent Applicant/Assignee:
EXIE AS, Ovre Slottsgate 2B, N-0157 OSLO, NO, NO (Residence), NO (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
STENSLET Pal, Hexebergveien 4, N-2016 FROGNER, NO, NO (Residence), NO (Nationality), (Designated only for: US)
LEHNE Odd Arild, Skogveien 23A, N-1358 JAR, NO, NO (Residence), NO (Nationality), (Designated only for: US)
JENSEN Brita Vefring, Aslandveien 3, N-1274 OSLO, NO, NO (Residence), NO (Nationality), (Designated only for: US)
Legal Representative:
ONSAGERS AS (agent), P.O. Box 265 Sentrum, N-0103 OSLO, NO,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200275598 A1 20020926 (WO 0275598)
Application: WO 2001NO496 20011214 (PCT/WO NO0100496)
Priority Application: NO 20011395 20010319; US 2001333759 20011129
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 15531

Fulltext Availability:
Detailed Description

Detailed Description

... from previous queries.

The post-processing is implementation dependent and may vary based on the actual relational **database** management system being used. The statements shown here are appropriate when using an Oracle **database** with the default cost-based query optimizer.

The code shown in the example for step 502 applies to hierarchical dimensions. For non-hierarchical dimensions the code will be replaced by code **joining** with implementation dependent tables in order to express the generality indicated in the dimensional focus specification.

The...the code for the actual query.

In a first step 601 a query is prepared with basic **joins** and aggregated select.

Following that, for each focused dimension (i.e. for each structural identity value (struct -id) in the query focus table (queryjocus)), code is added 602 to **join** with
aliases for the connection **table** (dim-Conn) and the query focus table (query
focus). When all the focused dimensions have been gone...

...value in
the query group table (query
group) is gone through, and code is added 603 to **join**
with an alias for the query group table (query
group) and to select and group by
group...

...utilizing the query focus table (query
focus) for dimensions with a limited number
of focused items, while **joining** directly with dimensional item table (dim -item) and the dimensional hierarchy table (dim-hier) for dimensions where...

...a number of queries focusing on the same dimensions were performed. Four queries were based on traditional **joins** with the complete tables of the **database** , in this case the dimensional hierarchy table (dim- hier) and the dimensional item table (dim-item), and five were based on **joins** with **aliases** for the working **tables** described above (query
f6cus, query
group).

The following table shows the results for completing the various queries.

Number of dimensions Query with **join** towards Query with **join** towards selected for focusing and aliases for dim-hier and aliases for query
f6cus
grouping dim-item...

11/3,K/16 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00742396 **Image available**
SYSTEM AND METHOD FOR REAL-TIME INTEROPERATION BETWEEN A DATABASE MANAGEMENT SYSTEM AND MULTIPLE DATA SOURCES
SYSTEME ET PROCEDE D'INTERFONCTIONNEMENT EN TEMPS REEL ENTRE UN SYSTEME DE GESTION DE BASES DE DONNEES ET DES SOURCES DE DONNEES MULTIPLES
Patent Applicant/Assignee:
MATRIX ONE INC, 2 Executive Drive, Chelmsford, MA 01824, US, US (Residence), US (Nationality)

Inventor(s):
TEWSBARY David E, 30 Campbello Street, Hudson, NH 03051, US
Legal Representative:
TOSTI Robert J, Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200055767 A2 20000921 (WO 0055767)
Application: WO 2000US475 20000107 (PCT/WO US0000475)
Priority Application: US 99125198 19990318
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 11727

Fulltext Availability:
Detailed Description

Detailed Description
... ONLY mode tables. If the adapter is in an operating mode that supports writing to the first **database** (e.g., READ-WRITE or EXTEND), joined tables may be updated. In the human resources **database** example, a virtual table that defines an employee's salary grade based on the data in the EMP and SALGRADE tables in Figures 8A and 8C, respectively can be described.

Table EMPGRADE I
Join EMP,SALGRADE;
Where "EMP.SAL >= SALGRADE.LOSAL and EMP.SAL <= SALGRADE.HISAL/I;
This table provides the...

...mapping file indicates how the tables that have been described relate to the schema of the second **DBMS** (e.g., the native **DBMS**) (step 370). All types, attributes, policies, and persons (owners) referenced in this section of the schema map are created in the second **DBMS** to enable the adapter to be run. In the example described above, these administrative objects are defined...

...COLUMN is specified, the previously stated TABLE is assumed).

id TABLE(COLUMN) [mapped]
type TABLE(COLUMN) [using **TABLE** (COLUMN)) [**alias** name]
name **TABLE** (COLUMN) [using TABLE(COLUMN)l
policy TABLE(COLUMN) [using TABLE(COLUMN)l
owner TABLE(COLUMN) [using TABLE...revision. In one embodiment, cardinality, allowed types, and other rules of relationships are enforced by the second **DBMS** and not by the adapter.

ID EMPGRADE (EMP.EMPNO);
from "Salary Grade" in EMPGRADE (SALGRADE.GRADE);
to...

...Figure 7.
server scott;
ftode readonly;
#mode readwrite;
mode extend
#mode migrate
physical tables
#column type [primary]
join table, table, table . . .

```
  #where . . .

  table DEPT I
  DEPTNO int primary;
  DNAME string;
  LOC string;
  table SALGRADE f...

...primary;
  ENAME string;
  JOB string;
  MGR int;
  HIREDATE date;
  SAL real;
  COMM real;
  DEPTNO int;
  table EMPGRADE
   join  EMP, SALGRADE;
  where "EMP.SAL >= SALGRADE.LOSAL and EMP.SAL <= SALGRADE.HISAL";
  matrix types
  #id TABLE (COLUMN)
  #type TABLE (COLUMN) [using  TABLE  (COLUMN)] [ alias  name]
  #name  TABLE  (COLUMN) [using TABLE (COLUMN)]
  #revision TABLE (COLUMN) [using TABLE (COLUMN)]
  #description TABLE (COLUMN) [using TABLE (COLUMN)]
  #icon...
```

11/3,K/17 (Item 17 from file: 349)

```
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00557625    **Image available**
```

ANALYTIC LOGICAL DATA MODEL
MODELE ANALYTIQUE DE DONNEES LOGIQUES

```
Patent Applicant/Assignee:
  NCR CORPORATION,
  MILLER Timothy Edward,
  TATE Brian Don,
  ROLLINS Anthony Lowell,
Inventor(s):
  MILLER Timothy Edward,
  TATE Brian Don,
  ROLLINS Anthony Lowell,
Patent and Priority Information (Country, Number, Date):
  Patent:               WO 200020998 A1 20000413 (WO 0020998)
  Application:          WO 99US23019 19991001  (PCT/WO US9923019)
  Priority Application: US 98102831 19981002
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
  GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG
  US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU
  TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
  CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 11217

Fulltext Availability:
  Detailed Description

Detailed Description
...  metadata has been designed to allow matrices with more that 255
```

variables to be defined within the **RDBMS** .

Additionally, it has been tuned specifically for performance reasons when dealing with this particular type of wide...

...BLDMAT, GETMAT and RSTMAT functions to track internal table and column indexes, and their associated names and **aliases** .

Matrix **join** **Table**
This table supports the BLDMAT, GETMAT and RSTMAT functions to help keep track of what columns were used to **join** multiple tables.

Matrix Values Table
This table supports the BLDMAT, GETMAT and RSTMAT functions to persist the...

11/3,K/18 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00351837 **Image available**
MODELING OF OBJECT-ORIENTED DATABASE STRUCTURES, TRANSLATION TO RELATIONAL DATABASE STRUCTURES, AND DYNAMIC SEARCHES THEREON
MODELAGE DE STRUCTURES DE BASE DE DONNEES ORIENTEES OBJET, TRADUCTION EN STRUCTURES DE BASE DE DONNEES RELATIONNELLES ET RECHERCHES DYNAMIQUES SUR CELLES-CI
Patent Applicant/Assignee:
ASPECT DEVELOPMENT INC,
Inventor(s):
ALTHOFF James,
LEE Seung,
BELANGER Ken,
PRASAD Nagendra,
McGINNIS Brian,
McWILLIAMS Floyd,
ZHANG Yong,
KOUSHIK Ravi,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9634350 A1 19961031
Application: WO 96US5678 19960423 (PCT/WO US9605678)
Priority Application: US 95428003 19950424; US 95521667 19950831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA FI JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 19589

Fulltext Availability:
Detailed Description

Detailed Description
... ordered similarly.

Booster Engines. In a WHERE clause, if the selected condition predicate would cause the Oracle **RDBMS** to perform a non-indexed search, a secondary condition predicate is added to first perform an indexed...

...also reduces the number of records which must be manipulated and checked for the case-insensitive comparison.

Table Aliases . The system prefers to use **table aliases** and to prefix column names with their aliases whenever there is more than one

table specified in...

...is preferred to the DISTINCT construct, the WHERE construct is preferred to the HAVING construct, and table **joins** are preferred to sub-queries.

1 5
NOT and OR Operators. The system prefers to avoid WHERE clauses which use a negated operator, such as NOT EQUALS, because the Oracle **RDBMS** performs a nonindexed table scan in these case.

Similarly, in a WHERE clause which has multiple index...examines the query model 260, the list of query model objects 992, the alias records 993, the **join** records 994, and the condition records 995, and in response, generates SQL commands 261 using the form...

...9-3 includes a <results> section for specifying the form of the query results 25 1, a < **tables** and **aliases** > section for specifying the tables in the relational database 250 to be searched, a < **JOIN** of tables> section for specifying how the tables to be searched are joined, and a <conditions> section...

...commands 261 would thus begin with a statement such as "SELECT static-memory.name".

Information regarding the **tables** (and **aliases** of **tables**) in the relational database 250 to select data from is inserted in the < **tables** and **aliases** > section of the SQL commands 261.

In a preferred embodiment, the information regarding the **tables** and **aliases** comprises a sequence of **tables** and **aliases** of **tables** to be joined from the relational database 250 into a single joint table to be searched. The choice and order of the **tables** and **aliases** to be joined is retrieved from the ...AND" statement where there are multiple conditions) which must be met by records selected from the relational **database** 250. The choice and order of the conditions to be met is retrieved from the condition records...

File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200543
(c) 2005 Thomson Derwent

Set	Items	Description
S1	51	ALIAS??(3N)(TABLE? ? OR FIELD? ?)
S2	12401	(JOIN OR JOINS OR JOINING)(7N)(REDUC???? OR AVOID??? OR ELIMINAT???? OR DELET??? OR ERAS??? OR REMOV??? OR DECREAS??? OR LOWER??? OR MINIMIZ? OR MINIMIS? OR LESSEN???? OR CUT????()DOWN OR DROP???? OR DISCARD???)
S3	697	(JOIN OR JOINS OR JOINING)(7N)(("NOT" OR T OR NO OR WITHOUT)(3W)(NEED??? OR REQUIR?))
S4	164081	DATABASE? ? OR DATA()(BASE? ? OR WAREHOUSE? ?) OR RDBMS OR DBMS OR REPOSITOR???
S5	1	S1 AND S2:S3 AND S4
S6	1	ALIAS??? AND S2:S3 AND S4
S7	1	ALIAS??? AND S2:S3
S8	11	ALIAS??? AND JOIN???
S9	2	S8 AND S4

9/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015505467 **Image available**
WPI Acc No: 2003-567614/200353
XRPX Acc No: N03-451278
Information extraction method for database **managers, involves examining** joining **query and providing** aliasing **list indicating one field, providing** alias **table for field and transforming** joining **query into reduced query**
Patent Assignee: HYPERION SOLUTIONS CORP (HYPE-N)
Inventor: KUMAR A; SMADJA E
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030088548	A1	20030508	US 20017619	A	20011107	200353	B

Priority Applications (No Type Date): US 20017619 A 20011107
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030088548	A1		11	G06F-007/00	

Abstract (Basic): US 20030088548 A1
NOVELTY - The method involves examining a **joining** query and providing an **aliasing** list that indicates one field from a dimension table indicated in the **joining** query. An **alias** table is provided for the field in the **aliasing** list only if no other field from the dimension table is selected by the **joint** query. The **joint** query is transformed into a reduced query in which the **aliased** field values are replaced by the **alias** values.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(a) a query for use by a **database** manager in extracting information from a relational **database**
(b) a **database** manager for extracting information from a relational **database** in response to a **joining** query.
USE - Used for extracting information from a relational **database** in **database** managers.
ADVANTAGE - The method decreases the processing time even when the volume of data in the data manager is large and reduces the requirements for **joins** in the query statement.
DESCRIPTION OF DRAWING(S) - The drawing shows a flowchart of the information extraction method.
pp; 11 DwgNo 4/7
Title Terms: INFORMATION; EXTRACT; METHOD; **DATABASE** ; **JOIN** ; QUERY; **ALIASING** ; LIST; INDICATE; ONE; FIELD; TABLE; FIELD; TRANSFORM; **JOIN** ; QUERY; REDUCE; QUERY
Derwent Class: T01
International Patent Class (Main): G06F-007/00
File Segment: EPI

9/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014261726 **Image available**
WPI Acc No: 2002-082424/200211
Related WPI Acc No: 2002-024671
XRPX Acc No: N02-061436
Data organizing method in client-server computer network, involves establishing compound structure, with horizontal arrangement of target structures which selectively include compound and base structures
Patent Assignee: PROCTOR A C (PROC-I); CRYSTAL DECISIONS INC (CRYS-N)

Inventor: PROCTOR A C
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010047364	A1	20011129	US 9887680	A	19980529	200211 B
			US 2001894212	A	20010627	
US 6490593	B2	20021203	US 9887680	A	19980529	200301
			US 2001894212	A	20010627	

Priority Applications (No Type Date): US 9887680 A 19980529; US 2001894212 A 20010627
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010047364	A1		19	G06F-007/00	Cont of application US 9887680 Cont of patent US 6289352
US 6490593	B2			G06F-017/30	Cont of application US 9887680 Cont of patent US 6289352

Abstract (Basic): US 20010047364 A1

NOVELTY - A compound structure having a rack with horizontal arrangement of target structures linked by an **alias** backbone representing a dimension of information, is established and referenced to obtain associated information. The horizontal arrangement of target structures selectively include compound and base structures containing data, in different combinations.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for computer readable memory storing data organizing program.

USE - In client-server computer network for organizing data in **database** for on-line analytical processing, to analyze businesses and organizations.

ADVANTAGE - Allows versatile, tunable, flexible and space efficient multi-cubes to be **joined** into compound structure that can be easily changed, comprehended and manipulated independently. Provides completely scalable and adaptable infrastructure, and improves processing efficiency.

```
File   8:Ei Compendex(R) 1970-2005/Jun W4
         (c) 2005 Elsevier Eng.  Info. Inc.
File  35:Dissertation Abs Online 1861-2005/Jun
         (c) 2005 ProQuest Info&Learning
File  65:Inside Conferences 1993-2005/Jul W1
         (c) 2005 BLDSC all rts. reserv.
File   2:INSPEC 1969-2005/Jun W4
         (c) 2005 Institution of Electrical Engineers
File  94:JICST-EPlus 1985-2005/May W3
         (c)2005 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2005/Jun W4
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2005/Jun W4
         (c) 2005 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W1
         (c) 2005 Inst for Sci Info
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/May
         (c) 2005 The HW Wilson Co.
File 266:FEDRIP 2005/Jun
         Comp & dist by NTIS, Intl Copyright All Rights Res
File  95:TEME-Technology & Management 1989-2005/May W5
         (c) 2005 FIZ TECHNIK
File 438:Library Lit. & Info. Science 1984-2005/May
         (c) 2005 The HW Wilson Co

Set     Items   Description
S1         90   ALIAS??(3N)(TABLE? ? OR FIELD? ?)
S2       3050   (JOIN OR JOINS OR JOINING)(7N)(REDUC???? OR AVOID??? OR EL-
              IMINAT???? OR DELET??? OR ERAS??? OR REMOV??? OR DECREAS??? OR
               LOWER??? OR MINIMIZ? OR MINIMIS? OR LESSEN???? OR CUT????()D-
              OWN OR DROP???? OR DISCARD???)
S3        184   (JOIN OR JOINS OR JOINING)(7N)(("NOT" OR T OR NO OR WITHOU-
              T)(3W)(NEED??? OR REQUIR?))
S4     743054   DATABASE? ? OR DATA()(BASE? ? OR WAREHOUSE? ?) OR RDBMS OR
              DBMS OR REPOSITOR???
S5          0   S1 AND S2:S3 AND S4
S6          0   S1 AND S2:S3
S7          0   ALIAS??? AND S2:S3
S8          0   S1 AND (JOIN OR JOINS OR JOINING)
S9          2   ALIAS??? AND (JOIN OR JOINS OR JOINING) AND S4
S10         1   RD (unique items)
```

10/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

02777386 E.I. Monthly No: EI8908070413
Title: Parallelizing a database programming language.
Author: Hart, Brian E.; Danforth, Scott; Valduriez, Patrick
Corporate Source: Microelectron & Comput Technol Corp, Austin, TX, USA
Conference Title: Proceedings International Symposium on Databases in Parallel and Distributed Systems
Conference Location: Austin, TX, USA Conference Date: 19881205
Sponsor: IEEE Computer Soc, Technical Committee on Data Engineering, Los Alamitos, CA, USA; ACM, Special Interest Group on Computer Architecture, New York, NY, USA; IEEE, Computer Soc, Technical Committee on Distributed Processing, Los Alamitos, CA, USA; INRIA, Le Chesnay, Fr
E.I. Conference No.: 12077
Source: Proc Int Symp on Databases in Parallel Distrib Syst. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (cat n 88CH2665-8), Piscataway, NJ, USA. p 72-79
Publication Year: 1988
ISBN: 0-8186-0893-5
Language: English
Document Type: PA; (Conference Paper) Treatment: T; (Theoretical); L; (Literature Review/Bibliography)
Journal Announcement: 8908
Abstract: The authors extend distributed **database** query optimization techniques to support a **database** programming language, a language much richer than relational query languages. With the richness comes difficulties, e.g., how to recognize **joins** and how to handle **aliases** . A description is given of the following techniques: dataflow analysis, abstract evaluation, partial evaluation, and rewriting. Also, the authors overview the algorithm that uses these techniques. 53 Refs.
Descriptors: *COMPUTER PROGRAMMING LANGUAGES; **DATABASE** SYSTEMS--Distributed; COMPUTER SYSTEMS, DIGITAL--Parallel Processing; COMPUTER PROGRAMMING--Algorithms; MATHEMATICAL TECHNIQUES--Graph Theory
Identifiers: QUERY OPTIMIZATION; **ALIASES** ; **DATABASE PROGRAMMING LANGUAGES** ; PARALLEL FAD; BUBBA
Classification Codes:
723 (Computer Software); 921 (Applied Mathematics)
72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

```
File 275:Gale Group Computer DB(TM) 1983-2005/Jul 07
         (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Jul 08
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Jul 07
         (c) 2005 The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Jul 07
         (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Jul 08
         (c)2005 The Gale Group
File 624:McGraw-Hill Publications 1985-2005/Jul 08
         (c) 2005 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2005/Jul 08
         (c) 2005 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2005/Jun W3
         (c) 2005 CMP Media, LLC
File 674:Computer News Fulltext 1989-2005/Jul W1
         (c) 2005 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2005/Jun 20
         (c) 2005 The Dialog Corp.
File 369:New Scientist 1994-2005/May W2
         (c) 2005 Reed Business Information Ltd.

Set     Items   Description
S1        423   ALIAS??(3N)(TABLE? ? OR FIELD? ?)
S2      12127   (JOIN OR JOINS OR JOINING)(7N)(REDUC???? OR AVOID??? OR EL-
              IMINAT???? OR DELET??? OR ERAS??? OR REMOV??? OR DECREAS??? OR
               LOWER??? OR MINIMIZ? OR MINIMIS? OR LESSEN???? OR CUT????()D-
              OWN OR DROP???? OR DISCARD???)
S3       1758   (JOIN OR JOINS OR JOINING)(7N)(("NOT" OR T OR NO OR WITHOU-
              T)(3W)(NEED??? OR REQUIR?))
S4    2006854   DATABASE? ? OR DATA()(BASE? ? OR WAREHOUSE? ?) OR RDBMS OR
              DBMS OR REPOSITOR???
S5          3   S1(100N)S2:S3(100N)S4
S6          0   S1(100N)S2:S3
S7          7   ALIAS???(100N)S2:S3
S8         24   S1(50N)(JOIN OR JOINS OR JOINING)(50N)S4
S9         34   S5:S8
S10        29   RD (unique items)
S11        29   S10 NOT PY=2002:2005
```

11/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01987277 SUPPLIER NUMBER: 18692644 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Visual dBASE does the Web. (Borland's WebTools for dBASE Web development tool) (Desktop DBMS) (Product Information)(Column)
Spitzer, Tom
DBMS, v9, n10, p89(4)
Sep, 1996
DOCUMENT TYPE: Column ISSN: 1041-5173 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3149 LINE COUNT: 00241

... in that database as if they were dBASE tables in a directory. First, use SET **DATABASE** TO <alias> to link to the **database** , and then issue the USE <anytable> command, which is very familiar to Xbase programmers. USE...

...CGI example, dBASE permits using either SQL or dBASE command syntax against either a local **database** or a SQL server. This capability applies to both data definition and data-processing operations...

...discover a trick that made working against either type of table transparent: Create a BDE **alias** for local **tables** just as you must do for server tables. Once you have done this, you can issue the SET **DATABASE** TO < **database** > command to activate either a local or a SQL **database** , and you can perform heterogenous operations by including the **database** alias in your command. For instance, to **join** a dBASE table to a SQL server table, you would construct a select that looks...

...a transaction with the BEGINTRANS( ) function, the first parameter indicates the BDE alias of the **database** in which the transaction is to be performed, and the second indicates the transaction isolation level. You can program transactions for local **tables** by specifying an **alias** that points to a directory in which dBASE or Paradox tables are stored. The transaction...

11/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01951125 SUPPLIER NUMBER: 18418782 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Relieving report server burdens. (IQ Software's IQ/SmartServer 5.1.2 network reporting software) (Software Review)(Evaluation)
Shumate, John
PC Week, v13, n25, p75(2)
June 24, 1996
DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1194 LINE COUNT: 00102

... the cache, cache results will be delivered to the user instead of reprocessing on the **database** .
We installed IQ/SmartServer on a 90MHz Pentium server with 32M bytes of RAM running...

...Windows 95.
We used IQ/Objects to connect to our Microsoft Corp. SQL Server test **database** and create a knowledge base. The IQ/Objects Knowledge Base Manager let us establish **table joins** , assign meaningful **aliases** and pop-up help descriptions to table columns, and create calculated columns.
The value of...
...nest reports inside other reports.

IQ/Objects' objects are reusable, but there is no central **repository** in which to store them.

We submitted report jobs to the server by choosing the...

11/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01942902 SUPPLIER NUMBER: 18336765 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Cutting out the OLAP middleman. (Great Elk Iridon Panorama multidimensional analysis tool) (Software Review)(Evaluation)
Taschek, John
PC Week, v13, n21, p72(2)
May 27, 1996
DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1346 LINE COUNT: 00109

... its available chart types are within easy reach on the tool bar.

Connecting to the **database**

Since Panorama works directly with relational **databases** , it has a leg up on PowerPlay, which requires administrators to use the Transformer to...

...with the product's built-in template editor. Each template included a connection to the **database** , any **database** fields that we wanted to include and **aliases** for the **fields** that make the **database** structure easier to understand.

We also could define calculated data fields in the template editor...
...from more than one table. The second table is not set up as a relational **join** , but instead allows users to view data from the table for comparison purposes.

Users can...

11/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01852697 SUPPLIER NUMBER: 17414220 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DataDirect Explorer: jack of all trades: query tool attempts to solve all data-access problems. (Intersolv's database query and report software)(includes related article about test methodology) (Software Review)(Evaluation)
Taschek, John
PC Week, v12, n42, p85(3)
Oct 23, 1995
DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2398 LINE COUNT: 00219

... Interbase, as well as Visual dBASE tables.

In each case, we logged on to the **database** server and created a set of simple queries with no filter conditions. We then tested...

...ability to query data from joined tables, setting up employee and sales tables in each **database** and running a set of three queries.

To test DataDirect Explorer's SmartData Warehouse Manager utility, we created a SmartSet, which included **alias** names and **table - join** information.

We also placed a filter condition on this data to narrow our search. We opened Microsoft Access 2.0, created an empty **database** , and attached the SmartSet as an external data source. We then ran our set of...

11/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01785101 SUPPLIER NUMBER: 16898027 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Borland ReportSmith for Windows. (Borland International Inc)(one of seven evaluations of Structured Query Language tools in "SQL Query and Reporting Tools Straight Answers Limited Risks") (Software Review)(Evaluation)
Plain, Stephen W.
PC Magazine, v14, n11, p214(3)
June 13, 1995
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1064 LINE COUNT: 00088

... companion programs that make the product useful in distributing reports to end users and abstracting **database** design. The Data Dictionary, an element new to ReportSmith in Version 2.5, lets you assign custom views, **aliases** , and headings to **table** and field names. You can then attach these elements to named connections. Whenever someone else...

...useful, is not as complete as the universes in BusinessObjects. For instance, you cannot specify **joins** or use spaces in alias names.
The other element that ties Report-Smith together with...

11/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01723343 SUPPLIER NUMBER: 15987286 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Upsizing to client/server with dBASE for Windows: Borland's upsizing strategy emphasizes connectivity. (dBASE Developer) (Column) (Tutorial)
Rajan, Sundar
Data Based Advisor, v12, n12, p160(4)
Dec, 1994
DOCUMENT TYPE: Column Tutorial ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2213 LINE COUNT: 00171

... data access in the new Borland desktop applications occurs via BDE/IDAPI, switching from desktop **databases** to SQL servers should be transparent.
BDE has an impressive list of features including bi...

...and support for either SQL or QBE queries against all data sources. It also supports **database** aliases that provide a powerful metaphor for pointing to **databases** .
The key to Borland's upsizing strategy is to make use of existing development resources...
...dBASE commands against SQL data without learning the SQL paradigm.
Also, by letting developers reference **tables** by **aliases** set up using the IDAPI utility, dBASE makes it easier to develop an application using test data in local tables, and later deploy it using a SQL **database** server. Applications (theoretically) can be ported by merely changing the aliases. Although this is true...

...Nevertheless, aliases go a long way toward easy migration.
Concurrent and transparent access
The Borland **Database** Engine lets dBASE for Windows concurrently connect to and **join** dBASE IV, Paradox, and ODBC data sources, as well as Oracle, SYBASE, and InterBase SQL...

11/3,K/7 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01706266 SUPPLIER NUMBER: 16268180 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Paradox 5 for Windows: something new for users and developers. (Software Review) (Evaluation)
Colling, Tim
Data Based Advisor, v12, n10, p42(4)
Oct, 1994
DOCUMENT TYPE: Evaluation ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1916 LINE COUNT: 00149

... The SQL Editor converts SQL Data Definition Language (DDL) statements directly into calls the Borland **Database** Engine can interpret. It translates SQL Data Manipulation Language (DML) statements into Paradox QBE syntax...

...supports creation of tables and indexes, but not views. Local SQL supports the referencing of **table** names using IDAPI **aliases** . Using this feature, you can use Local SQL to execute heterogeneous **joins** . .
Enhanced sorting and filtering
Paradox 5.0 for Windows introduces new, powerful filtering and sorting...

11/3,K/8 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01678501 SUPPLIER NUMBER: 15102627 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Select* from RDBMS. (competition increasing in relational database management systems market) (Special Report: DB/Expo 94)
Menninger, Dave
Data Based Advisor, v12, n4, p76(7)
April, 1994
ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4082 LINE COUNT: 00329

... to physically copy data from its primary site to other sites automatically.
As client/server **databases** grow in popularity, size, and geographic distribution, a variety of new issues arise. In theory, you could distribute **databases** to different nodes of a wide area network and have realtime access to any data...

...They've created data definition language (DDL) and system catalog entries to define and manage **aliases** and addresses. A " **table** " in a SELECT statement can be defined locally, or it can be an **alias** for a **table** at another address, i.e., on another server. Oracle can even handle remote heterogenous **joins** (e.g., **joining** an Oracle table in New York with a DB2 table in Chicago) although these capabilities...

...a separate product, OmniSQL Gateway and The Ask Group has Star, which supports remote heterogenous **joins** .
Several practical considerations have led many system architects to design data duplication into their systems...

...these problems is replication services. Replication servers can be used to move data from one **database** to another in an automated way. Using SQL-like syntax, you can "subscribe" or "register...

11/3,K/9 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01663839 SUPPLIER NUMBER: 15003826 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Impromptu 2.0C. (Cognos Corp.) (Software Review) (one of 15 evaluations of client/server database front ends in 'Data on Demand') (Evaluation)
Watterson, Karen
Windows Sources, v2, n2, p244(2)
Feb, 1994
DOCUMENT TYPE: Evaluation ISSN: 1065-9641 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 486 LINE COUNT: 00045

... query and reporting tool that has a
separate Administrator module in which MIS defines custom **database** access paths for end users and can limit the amount of data returned
by a...

...which all users must buy and which includes the setup module, lets MIS staff define **database** access paths and filters, set up optional **aliases** , and perform **table** **joins** . End users construct their queries in the Enterprise Edition.
Before end users can use Impromptu...

11/3,K/10 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01604232 SUPPLIER NUMBER: 13906075 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sketch modeling: packages that soften CAD's hard-edged precision help designers conceptualize their plans. (computer-aided design)
Novitski, Bobby-Jo
Computer Graphics World, v16, n5, p45(3)
May, 1993
ISSN: 0271-4159 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1487 LINE COUNT: 00117

... admits. In form *Z, he drew the 2D shapes, extruded them, and intersected the masses, **without** **needing** to **join** them precisely or trim them. He says, "Form *Z lets me be messy and loose...

...in San Francisco. He uses Upfront for quick modeling of rectilinear forms; Sketch, also from **Alias** , is similiar but can also handle curvilinear forms through spline-based modeling. In both programs...

11/3,K/11 (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01501297 SUPPLIER NUMBER: 11962495 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The DOS Shell, part 2: eight timesaving tips. (DOS 5.0)(includes related article on 'Hot Tips') (Tutorial)
Prosise, Jeff
PC-Computing, v5, n3, p214(3)
March, 1992
DOCUMENT TYPE: Tutorial ISSN: 0899-1847 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1779 LINE COUNT: 00132

... only one logged disk at a time. When you later exit the shell, you

con **remove** the directory **JOIN** as follows:
C:\> **JOIN** A: /D
Assign **Aliases** to DOS Commands Using DOSKEY
DOS 5.0's command processor DOSKEY is well known...

...DOS commands work even internal commands such as DIR or DELETE. This capability, called command **aliasing** , lets you assign a batch file to a command name, whether or not DOS uses...

11/3,K/12 (Item 12 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01444539 SUPPLIER NUMBER: 11099971 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Full course computing: J.D. Edwards presents an application banquet for your AS/400. (financial software for IBM's AS/400) (Software Review) (evaluation)
Simpson, Charlie
MIDRANGE Systems, v4, n16, p50(2)
August 6, 1991
DOCUMENT TYPE: evaluation ISSN: 1041-8237 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1619 LINE COUNT: 00130

... for the function of messages, fields and help text.
Some of the CAD features include **database** , screen, report and menu design aids. But before you do any customizing, you first must set up your company's naming conventions and standards when defining **databases** and the data dictionary. All data names first must be created and documented in the **database** and it's up to you and your company to adhere to these standards.
An...

...so on. Many additions or changes are code-controlled, such as data items. The modifiable **fields** include data items, **alias** , alpha and row descriptions, and an editing subroutine.
The World Writer, JDE's own query report writer, lets you query your AS/400 **database** without having to know as programming language. JDE uses IBM's SQL as the foundation...

...not like, range, not range, value, and not value; upfront field selection and resequencing of **join** field lists; and multisecurity levels including IBM file level, group and field level, cost center...

11/3,K/13 (Item 13 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01437179 SUPPLIER NUMBER: 10916442 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Taming the paper tiger. (Information Dimensions' BASISplus relational DBMS) (Software Review) (From the Lab) (evaluation)
Miller, David B.
DEC Professional, v10, n6, p80(5)
June, 1991
DOCUMENT TYPE: evaluation ISSN: 0744-9216 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2969 LINE COUNT: 00235

... ensure that fields using them are defined the same way. This is useful for doing **JOIN** operations. You can also define **alias** names for a **field** .
Field validation includes date and range checking. You can also establish a set of legal...

...list so that the code, instead of the actual field value, gets stored in the **database** .
Searching and sorting parameters allow you to define search proximity and testing items, use of...

11/3,K/14 (Item 14 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01309826 SUPPLIER NUMBER: 07486504 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Clipper memory management, part 2.
Brentnall, Savannah
Data Based Advisor, v7, n8, p118(6)
August, 1989
ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3681 LINE COUNT: 00284

... CREATE (<expC>) CREATE (<expC1>) FROM (<expC2>) DIR (<expC>) DISPLAY TO FILE (<expC>) DELETE FILE (<expC>) **ERASE** FILE (<expC>) FIND (<expC>) INDEX. . .TO (<expC>) **JOIN** WITH (<expC1>) TO (<expC2>) LABEL FORM (<expC1>) TO FILE (<expC2>) LIST TO FILE (<expC>) RENAME...

...expC1>) TO FILE (<expC2>) RESTORE FROM (<expC>) RUN (<expC>) SAVE TO (<expC>) SELECT (<expN>) SKIP **ALIAS** (<expN>) SORT TO (<expC>) TEXT TO FILE (<expC>) TOTAL ON. . .TO (<expC>) TYPE (<exp C1...

11/3,K/15 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

02184999 Supplier Number: 44122333 (USE FORMAT 7 FOR FULLTEXT)
Pres. Kim urges North to dispel nuclear suspicions
Asian Political News, pN/A
Sept 27, 1993
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 243

... South relations.
Addressing the National Assembly, Kim said North Korea's nuclear threat must be **removed** and urged Pyongyang to **join** dialogue to promote co-existence, co-prosperity and well-being of the Korean people.
In...

...should become public.
Referring to his emergency presidential decree in August banning the uses of **aliases** in financial transactions, Kim said, "The system is the key to overall reform and has...

11/3,K/16 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

04422502 Supplier Number: 46488457 (USE FORMAT 7 FOR FULLTEXT)
Relieving report server burdens
PC Week, p075
June 24, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 1166

... the cache, cache results will be delivered to the user instead of reprocessing on the **database** .
We installed IQ/SmartServer on a 90MHz Pentium server with 32M bytes of RAM running...

...Windows 95.
We used IQ/Objects to connect to our Microsoft Corp. SQL Server test **database** and create a knowledge base. The IQ/Objects Knowledge Base Manager let us establish **table joins** , assign meaningful **aliases** and pop-up help descriptions to table columns, and create calculated columns.
The value of...

...nest reports inside other reports.
IQ/Objects' objects are reusable, but there is no central **repository** in which to store them.
We submitted report jobs to the server by choosing the...

11/3,K/17 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04373672 Supplier Number: 46414158 (USE FORMAT 7 FOR FULLTEXT)
Cutting out the OLAP middleman
PC Week, p072
May 27, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 1275

... its available chart types are within easy reach on the tool bar.
Connecting to the **database**
Since Panorama works directly with relational **databases** , it has a leg up on PowerPlay, which requires administrators to use the Transformer to...

...with the product's built-in template editor. Each template included a connection to the **database** , any **database** fields that we wanted to include and **aliases** for the **fields** that make the **database** structure easier to understand.
We also could define calculated data fields in the template editor...

...from more than one table. The second table is not set up as a relational **join** , but instead allows users to view data from the table for comparison purposes.
Users can...

11/3,K/18 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04042170 Supplier Number: 45878181 (USE FORMAT 7 FOR FULLTEXT)
DataDirect Explorer: Jack of all trades; Query tool attempts to solve all data-access problems
PC Week, p85
Oct 23, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 2418

... Interbase, as well as Visual dBASE tables.
In each case, we logged on to the **database** server and created a set of simple queries with no filter conditions. We then tested...

...ability to query data from joined tables, setting up employee and sales tables in each **database** and running a set of three queries.

To test DataDirect Explorer's SmartData Warehouse Manager utility, we created a SmartSet, which included **alias** names and **table - join** information.

We also placed a filter condition on this data to narrow our search. We opened Microsoft Access 2.0, created an empty **database** , and attached the SmartSet as an external data source. We then ran our set of...

11/3,K/19 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04041735 Supplier Number: 45877652 (USE FORMAT 7 FOR FULLTEXT)
Report Writers: Democratic data tools, Part 1
InfoWorld, p080
Oct 23, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2040

... subquery.

Universes don't contain data; they act as a bridge or filter between the **database** management system and the end-user. **Joins** between **tables** , security restrictions, **aliases** , and navigation paths through tables are maintained in the universe, too.

Creating universes for BusinessObjects...

11/3,K/20 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03981804 Supplier Number: 45780298 (USE FORMAT 7 FOR FULLTEXT)
TrueAccess an easy, honest Windows/Macintosh querying tool
InfoWorld, p099
Sept 11, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 645

... cross-platform access to data in Oracle Corp., Sybase Inc., and Microsoft Corp. SQL Server **databases** . It can generate fairly complex SQL queries, coupled with basic formatting functionality.

I had no...

...typed in.

TrueAccess has a special administration mode, allowing the construction and population of a **repository** of query information.

Populating a **repository** begins by importing tables and their columns. It is possible to give aliases to each...

...s life considerably easier later on.

I gave the column called QOH in our VendorParts **table** an **alias** of Quantity On Hand.

Unfortunately, TrueAccess assumed that all column names would be unique across the tables in a **repository** , and did not supplement identical column names by table name when presenting lists of columns...

...advantage as it could of the existing data dictionaries in each of the three supported **databases** . This was most apparent when I started defining vistas, which are custom views of groups...

...interface for defining vistas, but did not use the referential integrity

information in the underlying **database** to automatically join the tables I selected to include in a vista.
Automatic linking tables...

...column names assumption?)
TrueAccess partially made up for this by allowing me to drag and **drop** columns to manually create **joins** . In addition, vistas were not allowed to have cyclic relationships among the tables.
Queries against...

11/3,K/21 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

03408652 Supplier Number: 44739693 (USE FORMAT 7 FOR FULLTEXT)
IBM To Offer Middleware For Uniform Data Access
Open Systems Today, p1
June 6, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 711

... like its Sybase counterpart. When preparing a query in DataJoiner, the user creates a database **alias** that masks the complexity of queries being made and gives the perception that all data...

...6000 workstations under AIX, includes a DB2 database engine, which will enable users to do **joins** , unions and views of databases **without requiring** that separate operations be performed to access each database, DeSantis said. The software is written...

11/3,K/22 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

08222700 SUPPLIER NUMBER: 17424712 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Report writers: democratic data tools. (Cognos Corp's Impromptu 3.0, Crystal Computer Services' Crystal Reports Professional 4.0, Borland International's ReportSmith for Windows 2.5, Software AG of North America's Esperant 3.0, Business Objects' BusinessObjects 3.1 SQL query and reporting tools) (includes related articles summarizing findings, testing methodology and Crystal Info) (Software Review)(Evaluation)
DelRossi, Robert A.
InfoWorld, v17, n43, p80(12)
Oct 23, 1995
DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 14567 LINE COUNT: 01153

... subquery.
Universes don't contain data; they act as a bridge or filter between the **database** management system and the end-user. **Joins** between **tables** , security restrictions, **aliases** , and navigation paths through tables are maintained in the universe, too.
Creating universes for BusinessObjects...

11/3,K/23 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

08131068 SUPPLIER NUMBER: 17400691 (USE FORMAT 7 OR 9 FOR FULL TEXT)
TrueAccess an easy, honest Windows/Macintosh querying tool. (Blyth

Software's TrueAccess 2.0 database access software) (Software Review)(Evaluation)
Dowgiallo, Ed
InfoWorld, v17, n37, p99(1)
Sep 11, 1995
DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 662 LINE COUNT: 00056

... cross-platform access to data in Oracle Corp., Sybase Inc., and Microsoft Corp. SQL Server **databases** . It can generate fairly complex SQL queries, coupled with basic formatting functionality.
I had no...

...typed in.
TrueAccess has a special administration mode, allowing the construction and population of a **repository** of query information.
Populating a **repository** begins by importing tables and their columns. It is possible to give aliases to each...
...s life considerably easier later on.
I gave the column called QOH in our VendorParts **table** an **alias** of Quantity On Hand.
Unfortunately, TrueAccess assumed that all column names would be unique across the tables in a **repository** , and did not supplement identical column names by table name when presenting lists of columns...

...advantage as it could of the existing data dictionaries in each of the three supported **databases** . This was most apparent when I started defining vistas, which are custom views of groups...

...interface for defining vistas, but did not use the referential integrity information in the underlying **database** to automatically join the tables I selected to include in a vista.
Automatic linking tables...

...column names assumption?)
TrueAccess partially made up for this by allowing me to drag and **drop** columns to manually create **joins** . In addition, vistas were not allowed to have cyclic relationships among the tables.
Queries against...

11/3,K/24 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

08009799 SUPPLIER NUMBER: 16814236 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Nailing down more query tools. (review of six database access packages) (Software Review)(Evaluation)
Tyo, Jay
InformationWeek, n523, p34(7)
April 17, 1995
DOCUMENT TYPE: Evaluation ISSN: 8750-6874 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3372 LINE COUNT: 00262

... on Windows and performs such functions as advanced statistical analyses.
Focus accesses an array of **databases** through direct interfaces. Other data sources are accessed through gateways such as Microsoft's ODBC
...

...the setup that is needed.
For novices, the administrator can go on to define logical **fields** , column **aliases** , and automatic **joins** that shield the user from the

complexities of the **database** . The profile, which is actually a Focus program, runs automatically when a user logs on. In cases where the administrator has not already defined **joins** and computed fields, Focus provides a simple point-and-click method for the user to...

...flexibility in supporting a range of users, Focus is not as thorough at shielding the **database** complexity as Business Objects or Esperant because the profile is not required.
Focus prepares reports...

11/3,K/25 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01118614 97-68008
Democratic data tools
DelRossi, Robert A; Johnson, Amy Helen; Carreon, Julia C
InfoWorld v17n43 PP: 80-97 Oct 23, 1995
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 10525

...TEXT: subquery.

Universes don't contain data; they act as a bridge or filter between the **database** management system and the end-user. **Joins** between **tables** , security restrictions, **aliases** , and navigation paths through tables are maintained in the universe, too.

Creating universes for

11/3,K/26 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00542110 91-16454
Product Analysis: Front Ends (Part 2)
Duncan, Judy
InfoWorld v13n12 PP: 56-71 Mar 25, 1991
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 12238

...TEXT: assigned to a single table -- this can be useful for advanced operations (such as self **joins**) that need more than one **alias** for a given **table** .

Query, tools: To execute a query, you use the standard 1-2-3 query menus...

...you're required to give it when you first access it). If the query will **join** more than one table, you specify the range names for all involved tables. You can perform a **join** between remote tables, or between remote tables and spreadsheet tables. A **join** formula in the criteria range tells 1-2-3 how the tables are related.

Version 3.1 has a large number of @ **database** functions. The criteria range can contain values and comparisons or any of the @ **database** functions. These functions can be nested up to eight levels deep in a formula in...

11/3,K/27 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01048445 CMP ACCESSION NUMBER: IWK19950417S0036
Nailing Down More Query Tools (Comparative Review)
Jay Tyo
INFORMATIONWEEK, 1995, n 523, PG34
PUBLICATION DATE: 950417
JOURNAL CODE: IWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: OpenLabs
WORD COUNT: 3216

... on Windows and performs such functions as advanced statistical analyses.
Focus accesses an array of **databases** through direct interfaces. Other data sources are accessed through gateways such as Microsoft's ODBC ...

...the setup that is needed.
For novices, the administrator can go on to define logical **fields** , column **aliases** , and automatic **joins** that shield the user from the complexities of the **database** . The profile, which is actually a Focus program, runs automatically when a user logs on. In cases where the administrator has not already defined **joins** and computed fields, Focus provides a simple point-and-click method for the user to...

...flexibility in supporting a range of users, Focus is not as thorough at shielding the **database** complexity as Business Objects or Esperant because the profile is not required.
Focus prepares reports...

11/3,K/28 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01025663 CMP ACCESSION NUMBER: WIN19940201S5442
MediaBlitz Version 3.0 lets you easily synchronize sound, graphics and video files into multimedia presentations, which it... (Tertiary (Pt. 1))
WINDOWS MAGAZINE, 1994, n 502 , 110
PUBLICATION DATE: 940201
JOURNAL CODE: WIN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: First Impressions
WORD COUNT: 6023

... Enterprise Edition. With the Administrator Edition, you can set up and maintain the catalogs of **database** tables and reports that Impromptu uses. The Administrator assigns **aliases** to **field** names, so end users see fields named Quantity Ordered rather than "QTYORD." The Administrator also controls which tables and columns are available, which **database joins** are permitted, and which tables or columns will be automatically filtered.
The report writer is quite fast, and if you don't want to work with the entire **database** while designing a report, you can use only selected records. You build Filters with a...

11/3,K/29 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01022344 CMP ACCESSION NUMBER: OST19940606S2078
IBM To Offer Middleware For Uniform Data Access
Paul Krill
OPEN SYSTEMS TODAY, 1994, n 151, 1

PUBLICATION DATE: 940606
JOURNAL CODE: OST LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: NEWS
WORD COUNT: 713

... like its Sybase counterpart. When preparing a query in DataJoiner, the user creates a database **alias** that masks the complexity of queries being made and gives the perception that all data...

...6000 workstations under AIX, includes a DB2 database engine, which will enable users to do **joins** , unions and views of databases **without requiring** that separate operations be performed to access each database, DeSantis said. The software is written...

Search Results

Nothing Found

Your search for **[(alias* <near/3> (table* or field*)) <near/100> ((join or joins or joining) <near/7> (reduc* or avoid* or eliminat* or delet* or eras* or remov* or decreas* or lower* or minimiz* or minimis* or lessen* or cut* down or drop* or discard*)) <near/100> (database* or rdbms or dbms or repositor*)]** did not return any results.

You may revise it and try your search again below or click advanced search for more options.

(alias* <near/3> (table* or field*)) <near/100> ((join or joins or joining) <near/7> (reduc* or avoid* or eliminat* or delet* or eras* or remov* or decreas* or lower* or minimiz* or minimis* or lessen* or cut* down or drop* or discard*)) <near/100> (database* or rdbms or dbms or repositor*)

SEARCH [**Advanced Search**] [**Search Help/Tips**]

Complete Search Help and Tips

The following characters have specialized meaning:

Special Characters	Description
, ( ) [	These characters end a text token.
= > < !	These characters end a text token because they signify the start of a field operator. (! is special: != ends a token.)
` @ \Q < { [!	These characters signify the start of a delimited token. These are terminated by the end character associated with the start character.

Results for "(alias* <near/3> (table* or field*)) <near/100> ((join or joins or joining) <near/7&g..." e-mail
Your search matched **0** of **1192192** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» View Session History

» New Search

Modify Search

(alias* <near/3> (table* or field*)) <near/100> ((join or joins or joining) <near/7> (redu

☐ Check to search only within this results set

Display Format: ◉ Citation ○ Citation & Abstract

» **Key**

	Indicates full text access
IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

No results were found.

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revisir

Refine Search

Search Results -

Terms	Documents
L2 and L3	0

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L4

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Friday, July 08, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=TDBD; PLUR=YES; OP=OR		
L4	l2 and L3	0	L4
L3	(join or joins or joining) near7 (reduc$ or avoid$ or eliminat$ or delet$ or eras$ or remov$ or decreas$ or lower$ or minimiz$ or minimis$ or lessen$ or cut$ down or drop$ or discard$)	79	L3
L2	alias$ near3 (table$ or field$)	14	L2
L1	(alias$ near3 (table$ or field$)) near100 ((join or joins or joining) near7 (reduc$ or avoid$ or eliminat$ or delet$ or eras$ or remov$ or decreas$ or lower$ or minimiz$ or minimis$ or lessen$ or cut$ down or drop$ or discard$)) near100 (database$ or rdbms or dbms or repositor$)	0	L1

END OF SEARCH HISTORY